



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: James E. Millerd, Neal J. Brock, Larry Denneau, Jr.

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EXAMINER

ART UNIT: 2621

TITLE: CALIBRATION AND ERROR CORRECTION IN MULTI-CHANNEL IMAGING

Commissioner for Patents  
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CERTIFICATE OF MAILING

I hereby certify that on this 4th day of March, 2004, this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, applicants wish to make of record the items on attached PTO Form 1449. Copies of the items are provided in accordance with 37 CFR 1.98.

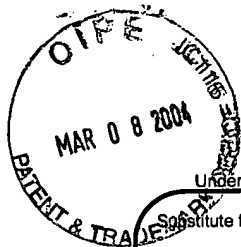
Applicants believe that none of the referenced material, alone or in combination, anticipates or renders obvious their invention.

Respectfully submitted,

Antonio R. Durando  
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Date:

3/4/04



PTO/SB/08B (08-03)

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<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/687,308		
		Filing Date	10/16/2003		
		First Named Inventor	James E. Millard		
		Art Unit	2621		
		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	6162.004

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		L. G. Brown, "A Survey of Image Registration Techniques," Columbia University, Computer Science Department Publication, New York, NY, 1991	
		R. C. Gonzalez et al., Digital Image Processing, Addison-Wesley, Reading, MA, 1987 (book, copy not available)	
		J. Schmit et al., "Extended averaging technique for derivation of error-compensating algorithms in phase-shifting interferometry," Applied Optics, Vol. 34, p. 3610, July 1995	
		C. K. Hong et al., "Least-squares fitting of the phase map obtained in phase-shifting electronic speckle pattern interferometry," Optics Letters, Vol. 20, p.931, April 1995	
		T. D. Upton et al., "Optical and electronic design of a calibrated multichannel electronic interferometer for quantitative flow visualization," Appl. Opt.. V 34, No. 25, 1995	
		C. Koliopoulos et al., "Simultaneous phase shift interferometer," SPIE Vol. 1531, pp. 119-127, 1991	
		Schwider et al., "Digital wave-front measuring interferometry: some systemic error sources," Applied Optics, Vol. 22, pp. 3421-3432, 1983	
		Schwider et. al., "Phase shifting interferometry: reference phase error reduction," Applied Optics, Vol 28, No. 18, pp. 3889-3892, 1989	
		Schwider et al., "Some considerations of reduction of reference phase error in phase-stepping interferometry," Applied Optics, Vol. 38, No. 4, pp. 655-659, 1999	
		M. F. Kuchel, "Advanced Interferometry at Carl Zeiss," Proceedings of SPIE, Vol. 1720, p 452-456 (1992)	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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